SAMSUNG Curved Monitor
Quantum dot display

ULTIMATE CURVE.
INCREDIBLE PERFORMANCE.

SAMSUNG

PREMIUM 21:9 CURVED
34" CF791

- Greater viewing comfort with the world's most 1500R curved screen
- More realistic colors with Quantum dot technology and sRGB 125%
- Perfect multi-tasking with a 21:9 wide screen, PBP and PIP
- Ultra WQHD resolution (3440*1440)

ADVANCED CURVED
27" CF591

- More immersive, comfortable viewing with 1,800R curvature
- Richer, more vibrant colors supporting approximately sRGB 119%
- Enhanced gaming experience with AMD Freesync and Game mode
- Darker blacks and minimized light leakage thanks to VA panel
- Stylish modern design with white, spheral back-side beauty

ESSENTIAL CURVED
32" CF391

- More immersive, comfortable viewing with 1,800R curvature
- Vibrant picture quality with best-in-class 3000:1 contrast ratio
- Darker blacks and minimized light leakage thanks to VA panel
- Enhanced gaming experience with Game mode

ESSENTIAL CURVED
27",24" CF390 / CF396

- More immersive, comfortable viewing with 1,800R curvature
- Vibrant picture quality with the best-in-class 3000:1 contrast ratio
- Darker blacks and minimized light leakage thanks to VA panel
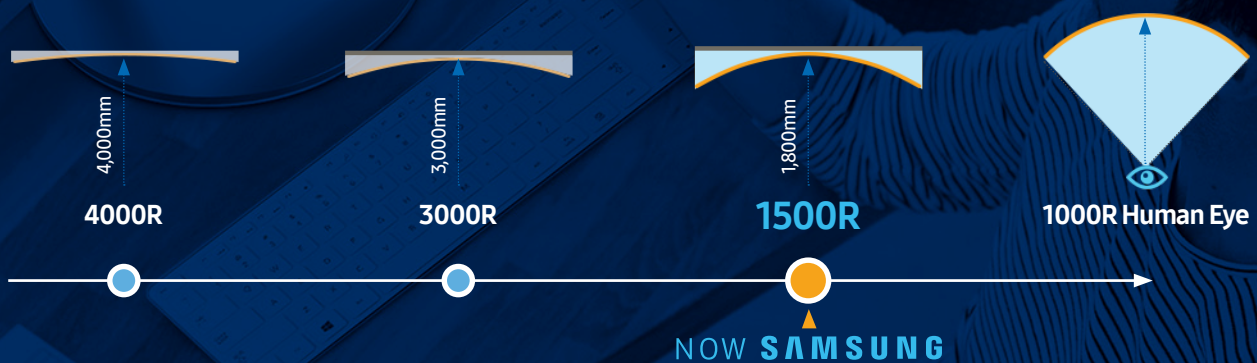- Enhanced gaming experience with AMD Freesync and Game mode

WHY CHOOSE CURVED MONITOR?
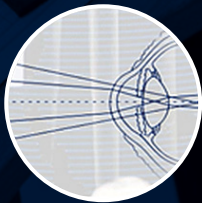
THE ERGONOMICALLY IDEAL MONITOR IS CURVED

Following the natural curvature of the human eye, a curve is the ergonomically ideal screen form. Because its edges and center are a more uniform distance from your eyes, a curved screen offers the most comfortable viewing experience and reduces eye strain when viewing for extended periods.

SAMSUNG'S MOST CURVED SCREEN FOR THE ULTIMATE VIEWING EXPERIENCE.

True to its tradition as a display innovator, Samsung leads the industry in advancing curved screen technology and design. From the 4000R to the current 1500R and ultimately the 1000R screen — with a curve perfectly matching the human eye's natural field of view — Samsung consistently sets new standards in curved monitor technology and delivers the most comfortable, vivid, and immersive viewing experience possible.

4,000mm	3,000mm	1,800mm	
4000R	**3000R**	**1500R**	**1000R Human Eye**

NOW **SAMSUNG**

CURVED MONITOR VIEWING COMFORT VALIDATED BY 3rd PARTY

Clinical test by Harvard medical school

A clinical study (*) conducted by Dr. Gang Luo, Assistant Professor of Medicine, Harvard Medical School and Dr. Eli Peli, Professor of Medicine, Harvard Medical School showed that, when performing nearly one hour of intensive visual tasks, fewer users reported eyestrain and blurred vision with a curved monitor than flat monitor.

Clinical test by Seoul National University Hospital

Research by Seoul National University Hospital, Samsung's curved monitors to be more effective in reducing eyestrain than its flat monitors. And the greater the curvature of the monitor's screen, the more effective it proved in reducing eyestrain.

Eye Comfort Validation by TUV Rheinland

The greater eye comfort provided by Samsung curved monitors compared to flat monitors has been validated the globally recognized German certification institute TUV Rheinland.

1 POWERFUL MULTI-TASKING FOR INCREASED PRODUCTIVITY

Multitask to the Max on a Single Monitor

With the 21:9 ultra-wide screen you can experience truly seamless multitasking on a single monitor. Samsung's Picture-by-Picture (PBP) function lets you connect two input sources using HDMI and DP while maintaining the original image quality. And with Picture-in-Picture (PIP) you can resize the second image to cover up to 25% of the screen and position it anywhere.

* 21:9 widescreen is available for CF791 only

Built-In Speakers and Multiple Ports For All Your Entertainment Needs

Dual 7-watt speakers embedded into the display let you enjoy movies, games, and online content without cluttering your desktop. And 2 HDMI, DP, and 2 USB ports provide a high-performance multiple connections that lets you hook up PCs, game consoles and other devices with ease.

* Connectivity varies by the model

Ultra WQHD for incredible image detail and a wider workspace

Ultra WQHD enables a screen resolution of 3440x1440 — 2.5 times the pixel density of Full HD — that delivers razor-sharp images. The greater pixel density also creates a wider screen workspace, so you see more content at once without much effort scrolling and zooming when web surfing or viewing large files such as spreadsheets.
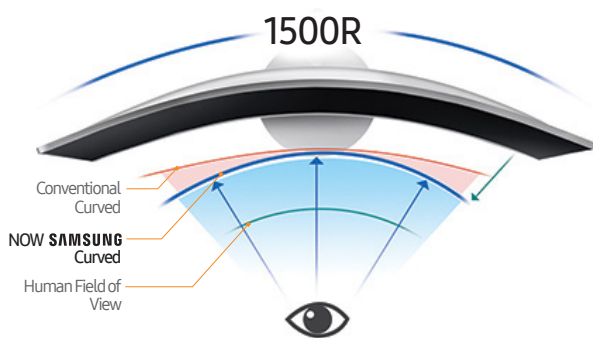
* Resolution varies by the model

2 MOST ERGONOMIC CURVED SCREEN FOR THE ULTIMATE VIEWING EXPERIENCE

1500R

Conventional Curved

NOW **SAMSUNG** Curved

Human Field of View

Curved like your eyes for proven viewing comfort

Samsung's deepest 1500R curved screen is precision engineered to match the natural curvature of your eyes more closely than any other monitor. In a study conducted by the Department of Ophthalmology at Seoul National University Hospital, the deeper curve resulted in reduced eyestrain compared to flat-screens or other less curved monitors.

* Curvature varies by the model

Conventional   **VS**   EYE SAVER MODE ON

Eye Save Mode

Flicker Frtee

Easy on the eyes for more comfortable viewing experience

With Samsung Flicker Free technology and Eye Saver Mode reducing blue light emissions, you simply can't get a more comfortable viewing.

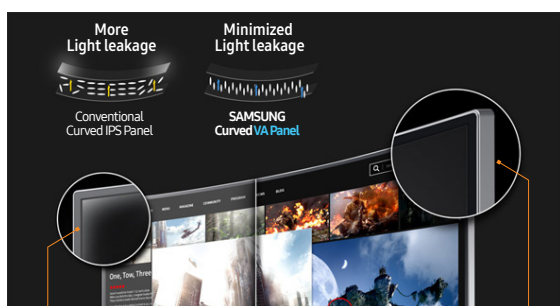# WHY CHOOSE SAMSUNG CURVED MONITOR?

3 INCREDIBLY VIBRANT PICTURE QUALITY

Conventional   **Quantum Dot** (sRGB 125%)

Conventional (sRGB)
Quantum Dot (sRGB 125%)

More accurate and life-like colors with Quantum Dot Technology

Supporting up to approximately 125% sRGB color space, Quantum Dot technology delivers not only more colors than conventional monitors but also colors that are brighter and crisper, particularly reds and greens. And because every monitor is factory calibrated, you can be sure you always see the most accurate and life-like images.

* Quantum Dot technology is available for CF791 only

More Light leakage   Minimized Light leakage

Conventional Curved IPS Panel   **SAMSUNG Curved VA Panel**

Conventional Curved Monitor   **SAMSUNG Curved Monitor**

Best in class 3000:1 contrast ratio with minimal light leakage

Samsung's advanced VA panel technology minimizes light leakage across the entire screen and corners and delivers a 3000:1 contrast ratio for deep blacks and brilliant whites in even the darkest and brightest scenes.

WHY CHOOSE SAMSUNG CURVED MONITOR?

4 IMMERSIVE CURVED AND FLAWLESS GAMEPLAY

An immersive viewing experience like no other

The 34" ultra-wide curved monitor gives you an immersive widescreen viewing experience like no other monitor. With its deeper curve enveloping your field of vision like an iMax theater with the deepest curvature, the 1500R screen lets you enjoy the full cinematic beauty of movies and puts you right at the heart of all gaming action.

*1,500R curvature is available for CF791 only

Flawless game play

Packed with features to satisfy the most dedicated gamers, this curved monitor boasts a 100hz screen refresh rate for minimal stutter and AMD Freesync for silky smooth gameplay. And with Game Mode letting you instantly optimize screen brightness and contrast ratios, you'll also enjoy spotting your enemies faster in any kind of game.

* Refresh rate and game features vary by the model

Model Code		CF791	CF591	CF391	CF390 / CF396
Display	Screen Size (Inch)	34"	27"	31.5"	23.5" / 27"
	Flat / Curved	Curved	Curved	Curved	Curved
	Screen Curvature	1500R	1800R	1800R	1800R
	Aspect Ratio	21:9	16:9	16:9	16:9
	Panel Type	VA	VA	VA	VA
	Brightness (Typical)	300cd/m²	250cd/m²	250cd/m²	250cd/m²
	Contrast Ratio Static	3,000:1(Typ.)	3,000:1(Typ.)	3,000:1(Typ.)	3,000:1 (Typ.)
	Resolution	3440 x 1440	1920 x 1080	1920 x 1080	1920 x 1080
	Response Time (GtG)	4ms	4ms	4ms	4ms
	Viewing Angle (H/V)	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)	178°(H)/178°(V)
	Color Support	16.7M	16.7M	16.7M	16.7M
	sRGB Coverage	125%	119%	-	-
	Refresh Rate	100Hz	60Hz	60Hz	60Hz
General Feature	Embedded Function	Samsung MagicBright, Samsung MagicUpscale, Easy Setting Box, Eco Saving Plus, Eye Saver Mode, Flicker Free, AMD FreeSync, Game Mode, Image Size, Picture-By-Picture, Picture-In-Picture	Samsung MagicBright, Samsung MagicUpscale, Easy Setting Box, Eco Saving Plus, Eye Saver Mode, Flicker Free, AMD FreeSync, Game Mode, Image Size	Samsung MagicBright, Samsung MagicUpscale, Eco Saving Plus, Eye Saver Mode, Flicker Free, Game Mode, Image Size	Samsung MagicBright, Samsung MagicUpscale, Eco Saving Plus, Eye Saver Mode, Flicker Free, AMD FreeSync, Game Mode, Image Size
	Windows Certification	Windows 10	Windows 10	Windows 10	Windows 10
Interface	D-Sub	No	1EA	No	1EA
	DVI	No	No	No	No
	HDMI	2EA	1EA	1EA	1EA
	Display Port	1EA	1EA	1EA	No
	Audio In	No	1EA	No	No
	Dual Link DVI	No	No	No	No
	Headphone	1EA	1EA	1EA	1EA
	Mini-Display Port	No	No	No	No
Audio	Speaker	Dual Stereo Speaker	Dual Stereo Speaker	No	No
Design	Color	White Silver	White Silver	White High Glossy	Black High Glossy
	Pivot	No	No	No	No
	Stand Type	HAS Stand	Circular Stand	Circular Stand	Circular Stand(CF390) Y Stand(CF396)
	Tilt	Yes	Yes	Yes	Yes
	Wall Mount	Yes	No	Yes	Yes
Accessory	Cable	HDMI Cable, Mini-Display Gender, Power Cable	HDMI Cable, Power Cable	HDMI Cable, Power Cable	HDMI Cable, Power Cable
	Others	Quick Setup Guide, Install CD (Manual)	Quick Setup Guide, Install CD (Manual)	Quick Setup Guide, Install CD (Manual)	Quick Setup Guide, Install CD (Manual)

To learn more, please visit
www.samsung.com/monitor or **www.youtube.com/samsungmonitorglobal**

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